

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-000607**Date Inspected:** 11-Sep-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 1330**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Hau Li Wei, Xu Bing**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** 114 Skin-C Lower**Summary of Items Observed:**

On this date, Caltrans Office of Structural Materials (OSM), Quality Assurance (QA) Inspector, David A. Smith was present for the observations related the following;

Item-1 114 Meter Mock-Up, Skin-C, Lower Section. A Magnetic Particle (MT) Test was monitored by this Caltrans QA Inspector of welds number 1 through 4. The MT testing of welds #1 and 2 was performed by Level II MT technician Zhou Dong Yun and the testing of welds #3 and 4 was performed by Level II MT technician Cai Xin Xin. There were no relevant indications noted by either technician during their performance of the MT testing. The Zhenhua Port Machinery Company (ZPMC) CWI that was present and accepted this MT test was Lu Jian Ping. The QC present was Qu Yan Kun. This Caltrans QA Inspector did perform an MT test on areas of welds 1, 2 and 4 and found them to be in compliance with the project specifications. Weld #3 was tested with two linear indications being observed. These indications were located at the toe of the weld adjacent to plate MUSC-MA111-1 and from 502mm to 504mm and from 603mm to 700.5mm from the right edge of the plate. Measurements were taken while standing on plate MUSC-MA111-1 viewing weld #3 from above. Both indications were 1mm in depth and each indication showed that the edge of the plate had not been broken down and fused with weld metal.

**Summary of Conversations:**

There were no pertinent conversations pertaining to the project during this shift.

**Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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## WELDING INSPECTION REPORT

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<b>Inspected By:</b>	Smith,David	Quality Assurance Inspector
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<b>Reviewed By:</b>	Cochran,Jim	QA Reviewer
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